

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/578, S21A  
Source: IFW0  
Date Processed by STIC: 02/27/2007

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 02/27/2007

PATENT APPLICATION: US/10/578,521A

TIME: 15:09:28

Input Set : N:\efs\02\_27\_07\10578521a\_efs\50413\_015001\_ST25.txt

Output Set: N:\CRF4\02272007\J578521A.raw

3 <110> APPLICANT: Chun, Jong-Yoon  
 5 <120> TITLE OF INVENTION: Method for Amplifying Unknown DNA Sequence Adjacent to Known  
 6 Sequence  
 8 <130> FILE REFERENCE: 50413/015001  
 10 <140> CURRENT APPLICATION NUMBER: US 10/578,521A  
 11 <141> CURRENT FILING DATE: 2006-05-08  
 13 <150> PRIOR APPLICATION NUMBER: PCT/KR2003/002407  
 14 <151> PRIOR FILING DATE: 2003-11-10  
 16 <160> NUMBER OF SEQ ID NOS: 28  
 18 <170> SOFTWARE: PatentIn version 3.3  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 33  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Artificial Sequence  
 25 <220> FEATURE:  
 26 <223> OTHER INFORMATION: primer (DW-ACP1-A)  
 29 <220> FEATURE:  
 30 <221> NAME/KEY: misc\_feature  
 31 <222> LOCATION: (22)..(28)  
 32 <223> OTHER INFORMATION: n denotes deoxyinosine  
 34 <400> SEQUENCE: 1  
 W--> 35 **tcacagaagt atgccaagcg annnnnnnnag gtc** 33  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 33  
 40 <212> TYPE: DNA  
 41 <213> ORGANISM: Artificial Sequence  
 43 <220> FEATURE:  
 44 <223> OTHER INFORMATION: primer (DW-ACP1-C)  
 47 <220> FEATURE:  
 48 <221> NAME/KEY: misc\_feature  
 49 <222> LOCATION: (22)..(28)  
 50 <223> OTHER INFORMATION: n denotes deoxyinosine  
 52 <400> SEQUENCE: 2  
 W--> 53 **tcacagaagt atgccaagcg annnnnnnncg gtc** 33  
 56 <210> SEQ ID NO: 3  
 57 <211> LENGTH: 33  
 58 <212> TYPE: DNA  
 59 <213> ORGANISM: Artificial Sequence  
 61 <220> FEATURE:  
 62 <223> OTHER INFORMATION: primer (DW-ACP1-T)  
 65 <220> FEATURE:  
 66 <221> NAME/KEY: misc\_feature  
 67 <222> LOCATION: (22)..(28)

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68 <223> OTHER INFORMATION: n denotes deoxyinosine
70 <400> SEQUENCE: 3
W--> 71 tcacagaagt atgccaagcg annnnnnntg gtc 33
74 <210> SEQ ID NO: 4
75 <211> LENGTH: 33
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: primer (DW-ACP1-G)
83 <220> FEATURE:
84 <221> NAME/KEY: misc_feature
85 <222> LOCATION: (22)..(28)
86 <223> OTHER INFORMATION: n denotes deoxyinosine
88 <400> SEQUENCE: 4
W--> 89 tcacagaagt atgccaagcg annnnnnngg gtc 33
92 <210> SEQ ID NO: 5
93 <211> LENGTH: 33
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: primer (DW-ACP2-N)
101 <220> FEATURE:
102 <221> NAME/KEY: misc_feature
103 <222> LOCATION: (26)..(29)
104 <223> OTHER INFORMATION: n denotes deoxyinosine
106 <400> SEQUENCE: 5
W--> 107 tcacagaagt atgccaagcg aggggnnnng gtc 33
110 <210> SEQ ID NO: 6
111 <211> LENGTH: 33
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: primer (DW-ACP2-NA)
119 <220> FEATURE:
120 <221> NAME/KEY: misc_feature
121 <222> LOCATION: (26)..(28)
122 <223> OTHER INFORMATION: n denotes deoxyinosine
124 <400> SEQUENCE: 6
W--> 125 tcacagaagt atgccaagcg aggggnnnag gtc 33
128 <210> SEQ ID NO: 7
129 <211> LENGTH: 33
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: primer (DW-ACP2-NC)
137 <220> FEATURE:
138 <221> NAME/KEY: misc_feature
139 <222> LOCATION: (26)..(28)
140 <223> OTHER INFORMATION: n denotes deoxyinosine

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142 <400> SEQUENCE: 7
W--> 143 tcacagaagt atgccaagcg agggggnnncg gtc 33
146 <210> SEQ ID NO: 8
147 <211> LENGTH: 33
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: primer (DW-ACP2-NT)
155 <220> FEATURE:
156 <221> NAME/KEY: misc_feature
157 <222> LOCATION: (26)..(28)
158 <223> OTHER INFORMATION: n denotes deoxyinosine
160 <400> SEQUENCE: 8
W--> 161 tcacagaagt atgccaagcg agggggnntg gtc 33
164 <210> SEQ ID NO: 9
165 <211> LENGTH: 33
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: primer (DW-ACP2-NG)
173 <220> FEATURE:
174 <221> NAME/KEY: misc_feature
175 <222> LOCATION: (26)..(28)
176 <223> OTHER INFORMATION: n denotes deoxyinosine
178 <400> SEQUENCE: 9
W--> 179 tcacagaagt atgccaagcg agggggnnngg gtc 33
182 <210> SEQ ID NO: 10
183 <211> LENGTH: 33
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: primer (DW-ACP3-N1)
191 <220> FEATURE:
192 <221> NAME/KEY: misc_feature
193 <222> LOCATION: (22)..(25)
194 <223> OTHER INFORMATION: n denotes deoxyinosine
196 <400> SEQUENCE: 10
W--> 197 tcacagaagt atgccaagcg annnnggggg gtc 33
200 <210> SEQ ID NO: 11
201 <211> LENGTH: 33
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: primer (DW-ACP3-N2)
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature
211 <222> LOCATION: (23)..(26)
212 <223> OTHER INFORMATION: n denotes deoxyinosine
214 <400> SEQUENCE: 11

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Output Set: N:\CRF4\02272007\J578521A.raw

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W--> 215 tcacagaagt atgccaagcg agnnnnngggg gtc 33
      218 <210> SEQ ID NO: 12
      219 <211> LENGTH: 33
      220 <212> TYPE: DNA
      221 <213> ORGANISM: Artificial Sequence
      223 <220> FEATURE:
      224 <223> OTHER INFORMATION: primer (DW-ACP3-N3)
      227 <220> FEATURE:
      228 <221> NAME/KEY: misc_feature
      229 <222> LOCATION: (24)..(27)
      230 <223> OTHER INFORMATION: n denotes deoxyinosine
      232 <400> SEQUENCE: 12

W--> 233 tcacagaagt atgccaagcg aggnnnngggg gtc 33
      236 <210> SEQ ID NO: 13
      237 <211> LENGTH: 20
      238 <212> TYPE: DNA
      239 <213> ORGANISM: Artificial Sequence
      241 <220> FEATURE:
      242 <223> OTHER INFORMATION: primer (Nested DW-P3-N)
      244 <400> SEQUENCE: 13
      245 ccaagcgagg gggggggggtc 20
      248 <210> SEQ ID NO: 14
      249 <211> LENGTH: 29
      250 <212> TYPE: DNA
      251 <213> ORGANISM: Artificial Sequence
      253 <220> FEATURE:
      254 <223> OTHER INFORMATION: primer (DW-P1-A)
      257 <220> FEATURE:
      258 <221> NAME/KEY: misc_feature
      259 <222> LOCATION: (22)..(24)
      260 <223> OTHER INFORMATION: n is any base
      262 <400> SEQUENCE: 14

W--> 263 tcacagaagt atgccaagcg annnagggtc 29
      266 <210> SEQ ID NO: 15
      267 <211> LENGTH: 29
      268 <212> TYPE: DNA
      269 <213> ORGANISM: Artificial Sequence
      271 <220> FEATURE:
      272 <223> OTHER INFORMATION: primer (DW-P1-C)
      275 <220> FEATURE:
      276 <221> NAME/KEY: misc_feature
      277 <222> LOCATION: (22)..(24)
      278 <223> OTHER INFORMATION: n is any base
      280 <400> SEQUENCE: 15

W--> 281 tcacagaagt atgccaagcg annncgggtc 29
      284 <210> SEQ ID NO: 16
      285 <211> LENGTH: 29
      286 <212> TYPE: DNA
      287 <213> ORGANISM: Artificial Sequence

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Input Set : N:\efs\02\_27\_07\10578521a\_efs\50413\_015001\_ST25.txt

Output Set: N:\CRF4\02272007\J578521A.raw

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289 <220> FEATURE:
290 <223> OTHER INFORMATION: primer (DW-P1-T)
293 <220> FEATURE:
294 <221> NAME/KEY: misc_feature
295 <222> LOCATION: (22)..(24)
296 <223> OTHER INFORMATION: n is any base
298 <400> SEQUENCE: 16
W--> 299 tcacagaagt atgccaagcg annntggtc 29
302 <210> SEQ ID NO: 17
303 <211> LENGTH: 29
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: primer (DW-P1-G)
311 <220> FEATURE:
312 <221> NAME/KEY: misc_feature
313 <222> LOCATION: (22)..(24)
314 <223> OTHER INFORMATION: n is any base
316 <400> SEQUENCE: 17
W--> 317 tcacagaagt atgccaagcg annngggtc 29
320 <210> SEQ ID NO: 18
321 <211> LENGTH: 29
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: primer (DW-P1)
329 <220> FEATURE:
330 <221> NAME/KEY: misc_feature
331 <222> LOCATION: (22)..(25)
332 <223> OTHER INFORMATION: n is any base
334 <400> SEQUENCE: 18
W--> 335 tcacagaagt atgccaagcg annnnggtc 29
338 <210> SEQ ID NO: 19
339 <211> LENGTH: 21
340 <212> TYPE: DNA
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: primer (JYC3)
346 <400> SEQUENCE: 19
347 tcacagaagt atgccaagcg a 21
350 <210> SEQ ID NO: 20
351 <211> LENGTH: 20
352 <212> TYPE: DNA
353 <213> ORGANISM: Artificial Sequence
355 <220> FEATURE:
356 <223> OTHER INFORMATION: primer (mTNFa-C1)
358 <400> SEQUENCE: 20
359 caccttgccc tgcccattag 20
362 <210> SEQ ID NO: 21

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/578,521A

DATE: 02/27/2007  
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Input Set : N:\efs\02\_27\_07\10578521a\_efs\50413\_015001\_ST25.txt  
Output Set: N:\CRF4\02272007\J578521A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 22,23,24,25,26,27,28  
Seq#:2; N Pos. 22,23,24,25,26,27,28  
Seq#:3; N Pos. 22,23,24,25,26,27,28  
Seq#:4; N Pos. 22,23,24,25,26,27,28  
Seq#:5; N Pos. 26,27,28,29  
Seq#:6; N Pos. 26,27,28  
Seq#:7; N Pos. 26,27,28  
Seq#:8; N Pos. 26,27,28  
Seq#:9; N Pos. 26,27,28  
Seq#:10; N Pos. 22,23,24,25  
Seq#:11; N Pos. 23,24,25,26  
Seq#:12; N Pos. 24,25,26,27  
Seq#:14; N Pos. 22,23,24  
Seq#:15; N Pos. 22,23,24  
Seq#:16; N Pos. 22,23,24  
Seq#:17; N Pos. 22,23,24  
Seq#:18; N Pos. 22,23,24,25  
Seq#:28; N Pos. 1,2,3,4,5,6

## VERIFICATION SUMMARY

DATE: 02/27/2007

PATENT APPLICATION: US/10/578,521A

TIME: 15:09:29

Input Set : N:\efs\02\_27\_07\10578521a\_efs\50413\_015001\_ST25.txt

Output Set: N:\CRF4\02272007\J578521A.raw

L:35 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0